

→ +

Approved for use through 10/31/2002. OMB 0851-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

[illegible][illegible]

Examiner Signature	/Michael Masinick/	Date Considered	11/28/2007
--------------------	--------------------	-----------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		<b>Appl. No. &amp; Conf. No.</b>	
		<b>Filing Date</b>	Herewith
		<b>First Named Inventor</b>	Sutardja
		<b>Group Art Unit</b>	
		<b>Examiner Name</b>	
<b>Sheet</b>	2	<b>of</b>	2
		<b>Attorney Docket Number</b>	MP0062.15

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/MDM/	F	SETTLES, CURTIS, DSP-Augmented CPU Cores Promise Performance Boost for Ultra-Compact Drives, Data Storage, May 2000, pp. 35-38, PennWell, US	
/MDM/	G	QUANTUM, Part 2: A Closer Look at Hard Disk Drives; Chapter 3: Inside Hard Disk Drives, Quantum Online, June 7, 2000, pp. 1-3, Quantum, US	
/MDM/	H	QUANTUM, Chapter 4: Recent Technological Developments: The Impact of Leading-Edge Technology on Mass Storage, Quantum Online, June 7, 2000, pp. 1-3, Quantum, US	

<b>Examiner Signature</b>	/Michael Masinick/	<b>Date Considered</b>	11/28/2007
---------------------------	--------------------	------------------------	------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231

→ **+**

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Complete if Known**

*(use as many sheets as necessary)*

Sheet 1 of 1

10/692644

10/24/2003

**Sutardja**

1

100

**MP0062.15**

[illegible][illegible]

11/28/2007

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



FORM HDP-1449 (Patent Form PTO-1449)

**PATENT AND TRADEMARK OFFICE**  
**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

Sheet 1 of 4

ATTORNEY DOCKET No.

MP0062.I5

SERIAL No.

10/692,644

APPLICANT

Sutardja, Sehat

FILING DATE

10/24/2003

GROUP

2615

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	/MDM/	2002/0019925	2/2002	Dewhurst et al		
2.	/MDM/	2002/0167590	11/2002	Naidoo et al		
3.	/MDM/	2005/0128068	6/2005	Winick et al		
4.	/MDM/	3,878,514	4/1975	Faber, Ulbe		
5.	/MDM/	5,083,122	1/1992	Clark, Keith S.		
6.	/MDM/	5,479,151	12/1995	Lavelle et al		
7.	/MDM/	5,511,000	4/1996	Kaloi et al		
8.	/MDM/	5,552,766	9/1996	Lee et al		
9.	/MDM/	5,682,142	10/1997	Loosmore et al		
10.	/MDM/	5,687,325	11/1997	Chang, Web		
11.	/MDM/	5,724,475	3/1998	Kirsten, Jeff P.		
12.	/MDM/	5,727,231	3/1998	Bartley et al		
13.	/MDM/	5,818,389	10/1998	Lazar, Steven		
14.	/MDM/	5,825,202	10/1998	Tavana et al		
15.	/MDM/	5,880,775	3/1999	Ross, Jay B.		
16.	/MDM/	5,903,871	5/1999	Terui et al		
17.	/MDM/	6,111,580	8/2000	Kazama et al		
18.	/MDM/	6,118,269	9/2000	Davis, Glenn A.		
19.	/MDM/	6,181,994	1/2001	Colson et al		
20.	/MDM/	6,233,393	5/2001	Yanagihara et al		
21.	/MDM/	6,271,752	8/2001	Vaios, Christos I.		

Examiner: /Michael Masinick/

Date Considered: 11/28/2007

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 2 of 4	ATTORNEY DOCKET NO.	SERIAL No.
	MP0062.15	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
22.	/MDM/	6,281,790	8/2001	Kimmel et al		
23.	/MDM/	6,308,253	10/2001	Gadre et al		
24.	/MDM/	6,332,175	12/2001	Birrell et al		
25.	/MDM/	6,334,025	12/2001	Yamagami, Taku		
26.	/MDM/	6,389,423	5/2002	Sakakura, Takashi		
27.	/MDM/	6,441,731	8/2002	Hess, Brian K.		
28.	/MDM/	6,476,858	11/2002	Ramirez Diaz et al		
29.	/MDM/	6,516,039	2/2003	Taura et al		
30.	/MDM/	6,553,404	4/2003	Stern, Michael R.		
31.	/MDM/	6,624,750	9/2003	Marman et al		
32.	/MDM/	6,671,343	12/2003	Ito, Tsugio		
33.	/MDM/	6,697,103	2/2004	Fernandez et al		
34.	/MDM/	6,727,811	4/2004	Fendis, Gregory		
35.	/MDM/	6,763,182	7/2004	Endo et al		
36.	/MDM/	6,772,212	8/2004	Lau et al		
37.	/MDM/	6,867,683	3/2005	Calvesio et al		
38.	/MDM/	6,970,081	11/2005	Cheng, Doreen Y.		
39.	/MDM/	6,975,220	12/2005	Foodman et al		

Examiner: /Michael Masinick/	Date Considered: 11/28/2007
------------------------------	-----------------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 3 of 4	ATTORNEY DOCKET NO.	SERIAL No.
	MP0062.I5	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.	/MDM/	IEEE P802.11i/D10.0, April 2004 (Amendment to ANSI/IEEE Std 802.11-1999 (2003 Reaff) edition as amended by IEEE Std 802.11g-2003 and IEEE Std 802.11h-2003); IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements; Part 11: Wireless Medium Access Control (MAC) and Physical Layer (PHY) specifications; Amendment 6: Medium Access Control (MAC) Security Enhancements; LAN/MAN Committee of the IEEE Computer Society; 184 pages
2.	/MDM/	ANSI/IEEE Std 802.11, 1999 Edition; Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications; LAN/MAN Standards Committee of the IEEE Computer Society; 528 pages
3.	/MDM/	IEEE Std 802.11a-1999 (Supplement to IEEE Std 802.11-1999) [Adopted by ISO/IEC and redesignated as ISO/IEC 8802-11: 1999/Amd 1:2000(E)]; Supplement to IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications High-speed Physical Layer in the 5 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; 91 pages

Examiner: /Michael Masinick/	Date Considered: 11/28/2007
------------------------------	-----------------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<b>FORM HDP-1449 (Based on Form PTO-1449)</b>  <b>PATENT AND TRADEMARK OFFICE</b> <b>INFORMATION DISCLOSURE CITATION</b> (Use several sheets if necessary)  Sheet 4 of 4	ATTORNEY DOCKET NO.	SERIAL NO.
	MP0062.I5	10/692,644
	APPLICANT	
	Sutardja, Sehat	
	FILING DATE	GROUP
	10/24/2003	2615

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
4.	/MDM/	IEEE Std 802.11b-1999 (Supplement to IEEE Std 802.11-1999 Edition); Supplement to IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Higher-Speed Physical Layer Extension in the 2.4 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; September 16, 1999 IEEE-SA Standards Board; 96 pages.
5.	/MDM/	IEEE Std 802.11b-1999/Cor 1-2001 (Corrigendum to IEEE Std 802.11-1999); IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 2: Higher-Speed Physical Layer (PHY) extension in the 2.4 GHz Band - Corrigendum 1; LAN/MAN Standards Committee of the IEEE Computer Society; November 7, 2001; 24 pages.
6.	/MDM/	IEEE P802.11g/D8.2, Apr 2003 (Supplement to ANSI/IEEE Std 802.11-1999(Reaff 2003)); DRAFT Supplement to STANDARD [for] Information Technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications: Further Higher Data Rate Extension in the 2.4 GHz Band; LAN/MAN Standards Committee of the IEEE Computer Society; 69 pages.
7.	/MDM/	IEEE Std 802.11h - 2003 (Amendment to IEEE Std 802.11, 1999 Edition (Reaff 2003)); as amended by IEEE Stds 802.11a-1999, 802.11b-1999, 802.11b-1999/Cor 1-2001, 802.11d-2001, and 802.11g-2003; IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11: Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications Amendment 5: Spectrum and Transmit Power Management Extensions in the 5 GHz band in Europe; IEEE Computer Society LAN/MAN Standards Committee; October 14, 2003; 74 pages.

Examiner: /Michael Masinick/	Date Considered: 11/28/2007
------------------------------	-----------------------------

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.

MP0062.I5

SERIAL NO.

10/692,644

APPLICANT

Sehat Sutardja et al

FILING DATE

10/24/2003

GROUP

2615

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	/MDM/	4,897,630	1/1990	Nykerk, Michael		
2.	/MDM/	5,917,405	6/1999	Joao, Raymond Anthony		

**FOREIGN PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

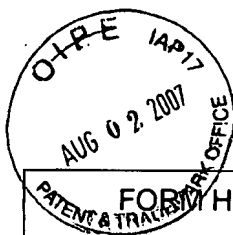
Ref. Desig.	Examiner's Initials	
1.		

Examiner: /Michael Masinick/

Date Considered: 11/28/2007

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.





FORM HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION**

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.	SERIAL NO.
MP0062.15	10/692,644
APPLICANT	
Sehat Sutardja	
FILING DATE	GROUP
10/24/2003	2125

**U.S. PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.	/MDM/	6,289,099 B1	9/2001	Edgard, III, Clement B.		
2.	/MDM/	6,292,108	9/2001	Straser et al		
3.	/MDM/	6,859,831	2/2005	Gelvin et al		
4.	/MDM/	6,950,946	9/2005	Droz et al		

**FOREIGN PATENT DOCUMENTS**

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.							

**OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)**

Ref. Desig.	Examiner's Initials	
1.		

Examiner: /Michael Masinick/

Date Considered: 11/28/2007

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.